

**Amendments to the Specification**

Please amend the specification as follows:

Please replace paragraph starting at page 43, line 25 with the following rewritten paragraph:

There are provided first undercolor generating means for generating a first undercolor component ( $b \times K$ ) based on three values  $\underline{C}, V, M, Y$  indicating the three primary colors for each pixel; and second undercolor generating means for generating a second undercolor component ( $d \times K$ ) based on the three values  $C, M, Y$  indicating the three primary colors. Moreover, there is also provided undercolor replacing means constituted of: first subtracting means for subtracting the first undercolor component from three values ( $a \times P$ ) of  $C, M, Y$  indicating the three primary colors; second subtracting means for subtracting the second undercolor component from a first constant ( $c \times 255$ ); and calculating means for outputting a calculation result obtained by multiplying a second constant ( $255 \times e$ ) by the subtraction result of the first subtracting means and further dividing a result by the subtraction result of the second subtracting means. The black ink replacing calculation is represented in the following equation:

$$GCR = 255 \times e \times (a \times P - b \times K) / (c \times 255 - d \times K)$$

Additionally, when the denominator is "0", a predetermined value (exceptional value) is outputted.